

I hereby central terms correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Mexandria, VA 22313-1450, on the date shown below.

Signature:

Dated: February 13, 2004

(Sandall C. Buoth

Docket No.: 29794/38804A

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Michael Smit et al.

Application No.: 10/666,862

Filed: September 19, 2003

Art Unit: 2183

For: METHODS AND APPARATUS FOR

VISUALLY CREATING COMPLEX

EXPRESSIONS THAT INFORM A RULES-BASED SYSTEM OF CLINICAL DECISION

**SUPPORT** 

Examiner: Not Yet Assigned

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter

Application No.: 10/666,862 Docket No.: 29794/38804A

filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 29794/38804A. A duplicate copy of this paper is enclosed.

Dated: February 13, 2004

Respectfully submitted,

Randall G. Rueth

Registration No.: 45,887

MARSHALL, GERSTEIN & BORUN LLP

233 S. Wacker Drive, Suite 6300

Sears Tower

Chicago, Illinois 60606-6357

(312) 474-6300

Attorney for Applicant



PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE espond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

Complete if Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

	Complete if Known		
Application Number	10/666,862		
Filing Date	September 19, 2003		
First Named Inventor	Michael Smit		
Art Unit	2183		
Examiner Name Not Yet Assigned			
Attorney Docket Number	29794/38804A		

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		L			Figures Appear
	1	US-4,591,974	05-27-1986	<u> </u>	
	2	US-4,667,292	05-19-1987	Mohlenbrock, et al.	
	3	US-4,839,806	<del></del>	Goldfischer, et al.	
	4	US-4,893,270	01-09-1990		
	5	US-4,962,475		Hernandez, et al.	
	6	US-5,072,383	12-10-1991		
	7	US-5,072,412		Henderson, Jr., et al.	
	8	US-5,072,838		Price, Jr. et al.	
	9	US-5,077,666	12-31-1991	Brimm, et al.	
	10	US-5,088,981	02-18-1992	<u> </u>	
	11	US-5,101,476	03-31-1992	Kukla	
	12	US-5,253,362	10-12-1993		·
	13	US-5,301,105	04-05-1994	Cummings, Jr.	
	14	US-5,319,543	06-07-1994	Wilhelm	
	15	US-5,325,478	06-28-1994		
	16	US-5,361,202	11-01-1994	Doue	
	17	US-5,428,778	06-27-1995		
	18	US-5,546,580	08-13-1996		
	19	US-5,557,515		Abbruzzese, et al.	
	20	US-5,574,828	11-12-1996	Hayward et al.	
	21	US-5,596,752	01-21-1997	Knudsen et al.	
	22	US-5,603,026	02-11-1997	Demers et al.	
	23	US-5,692,125	11-25-1997	Schloss, et al.	
	24	US-5,724,584	03-03-1998	Peters et al.	
	25	US-5,748,907	05-05-1998	Crane	
	26	US-5,751,958	05-12-1998	Zweben et al.	
	27	US-5,760,704	06-02-1998	Barton et al.	
	28	US-5,772,585	06-30-1998		
	29	US-5,778,346	07-07-1998	Frid-Nielsen et al.	
	30	US-5,781,442	07-14-1998	Engleson et al.	
	31	US-5,781,890	07-14-1998	Nematbakhsh, et al.	
	32	US-5,802,253	09-01-1998	Gross et al.	
	33	US-5,823,948	10-20-1998	Ross, Jr. et al.	
	34	US-5,832,450	11-03-1998		
	35	US-5,833,599		Schrier, et al.	
	36	US-5,838,313	11-17-1998		
	37	US-5,845,253	12-01-1998	Rensimer, et al.	
	38	US-5,848,393		Goodridge et al.	
	39	US-5,848,395	12-08-1998	· · · · · · · · · · · · · · · · · · ·	
	40	US-5,850,221		Macrae et al.	
	41	US-5,867,688		Simmon et al.	
	42	US-5,867,821		Ballantyne et al.	
	43	US-5,899,998		McGauley et al.	
	44	US-5,915,240	<del></del>	Karpf	•
	45	US-5,924,074	07-13-1999	Evans	
	46	US-5,946,659		Lancelot et al.	

Examiner	Date	
Signature	Considered	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/B/PTO Application Number 10/666,862 **INFORMATION DISCLOSURE** Filing Date September 19, 2003 STATEMENT BY APPLICANT First Named Inventor Michael Smit Art Unit 2183 (Use as many sheets as necessary) Not Yet Assigned Examiner Name 2 Sheet Attorney Docket Number 29794/38804A

	<del></del>			T	
j	47	US-5,983,210		Imasaki et al.	
	48	US-5,997,446	12-07-1999	Brown	
	49	US-5,997,476	12-07-1999	1	
	50	US-5,999,916	12-07-1999		
	51	US-6,014,631	01-11-2000	Teagarden et al.	
	52	US-6,016,477	01-18-2000	Ehnebuske et al.	
	53	US-6,021,404	02-01-2000	Moukheibir	
	54	US-6,037,940	03-14-2000	Schroeder et al.	
	55	US-6,047,259	04-04-2000	Campbell et al.	
	56	US-6,063,026	05-16-2000	Schauss, et al.	
	57	US-6,067,523	05-23-2000	Bair, et al.	
	58	US-6,082,776	04-04-2000		
	59	US-6,139,494	10-31-2000	Cairnes	
	60	US-6,154,726	11-28-2000	Rensimer, et al.	
	61	US-6,182,047-B1	01-30-2001	Dirbas	
	62	US-6,188,988-B1	02-13-2001	Barry et al.	
	63	US-6,263,330-B1	07-17-2001	Bessette	
	64	US-6,283,761-B1	09-04-2001	Joao	
	65	US-6,289,368-B1	09-11-2001	Dentler et al.	
	66	US-6,304,905-B1	10-16-2001	Clark	
	67	US-6,317,719	11-13-2001	Schrier, et al.	
	68	US-6,332,167-B1	12-18-2001	Peters et al.	
	69	US-6,345,260-B1	02-05-2002	Cummings, Jr. et al.	
	70	US-6,401,072-B1		Haudenschild et al.	
	71	US-6,415,275-B1	07-02-2002	Zahn	
	72	US-2001/0016056-A1	08-23-2001	Westphal et al.	
	73	US-2001/0016853-A1	08-23-2001	Kucala	
	74	US-2001/0049610 A1	12-06-2001	Hazumi	
	75	US-2001/0051888-A1	12-13-2001	Mayhak, Jr. et al.	
	76	US-2001/0056433-A1	12-27-2001	Adelson et al.	
	77	US-2002/0002473-A1	01-03-2002	Schrier et al.	
	78	US-2002/0001375-A1	01-03-2002	Alcott et al.	
	79	US-2002/0001387-A1			
	80	US-2002/0002535-A1	01-03-2002	Kitchen et al.	
	81	US-2002/0007287-A1	01-17-2002	Straube et al.	

		FOREI	GN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	l l l l l l l l l l l l l l l l l l l	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	82	WO-WO 96/27163	09-06-1996	Haudenschild, et al.		
	83	WO-WO 98/13783	04-02-1998	Evans		
	84	WO-WO 99/22330	05-06-1999	Johnson		
	85	WO-WO 99/44162	09-02-1999	Georgiev et al.		
	86	WO-WO 99/63473	12-09-1999	Bleicher et al.		
	87	WO-WO 00/28460	05-18-2000	Maus et al.		
	88	WO-WO 00/29983	05-25-2000	Kriese		
	89	WO-WO 00/65522	11-02-2000	Kirnak		

Examiner	Date
Signature	Considered
	Tooksidered

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sub	stitute for form 1449A/B/F	то		Complete if Known		
				Application Number	10/666,862	
11	<b>IFORMATIO</b>	N DI	SCLOSURE	Filing Date	September 19, 2003	
S	<b>TATEMENT</b>	BY A	APPLICANT	First Named Inventor	Michael Smit	
				Art Unit	2183	
	(Use as many s	heets as	s necessary)	Examiner Name	Not Yet Assigned	
Sheet	3	of	4	Attorney Docket Number	29794/38804A	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	<b>T</b> <sup>2</sup>
	90	"Sunrise Knowledge-Based Orders," Advanced Clinical Solutions, ECLIPSYS, www.eclipsys.com, December 2002, 4 pages.	
	91	"Sunrise Clinical Manager," Advanced Clinical Solutions, ECLIPSYS, www.eclipsys.com, December 2002, 4 pages.	
	92	"News & events," ECLIPSYS, www.eclipsys.com, April 16, 2002, 3 pages.	<del> </del>
	93	"Horizon Clinicals," MCKESSON CORPORATION, www.mckesson.com, 2003, 2 pages.	<del>                                     </del>
	94	"Acute Care EMR - Solutions," CERNER CORPORATION, www.cerner.com, 2002-2003, 2 pages.	
	95	"Foundation," IDX SYSTEMS CORPORATION, www.idx.com, 1999-2004, 2 pages.	1
	96	"Supporting the Work of Clinicians," IDX SYSTEMS CORPORATION, www.idx.com, 1999-2004, 1 page.	
	97	"AUTONOMY Update™," production brief, 2 pages.	1
	98	"Brio.Portal," product information sheet, 1 page.	
	99	"Portal-in-a-Box™," Product Brief, AUTONOMY INC., www.automony.com, April 2002, 6 pages.	
	100	"Actuate Software," Sun Solutions Catalog, ACTUATE CORPORATION & SUN MICROSYSTEMS, www.sun.com, 2002, 24 pages.	
	101	HAZUMI ET AL., "Development of Electronic Medical Record System," NEC Research & Development, Vol. 41, No. 1, January 2000, pp. 102-105.	
	102	MCDONALD ET AL., "The Regenstrief Medical Record System: a quarter century experience," International Journal of Medical Informatics, Vol. 54, 1999, pp. 225-253.	
	103	"CDR-Web," RELIANCE SOFTWARE SYSTEMS, Website, 2000, 1 page.	1
	104	MARIETTI, "'O' Pioneers!," Healthcare Informatics, Website, May 1999, 9 pages.	
	105	JOHNSON, "Today's CDRs: The Elusive Complete Solution," Healthcare Informatics, (Website), July 1997, 7 pages.	
	106	ANDREW ET AL., "Computer-Based Patient Records - Venturing Off the Beaten Path: It's Time to Blaze New CPR Trails," Healthcare Informatics, (Website), May 1997, 17 pages.	
	107	"EMR Features," CARE IS #1, 1999-2000, 1 page.	1
	108	"Enterprise Systems Management," CERNER CORPORATION, www.cerner.com, September, 13, 2001, 5 pages.	
	109	"HealthMatics™ Office", HEALTHMATICS OFFICE, Website, 3 pages, (date unknown).	1
	110	CLINICOMP, INTL., Website, 1999-2000, 1 page.	$\top$
	111	"ExcelCare Windows", Website, 2 pages (date unknown).	
	112	"IC-Chart Information", INTEGREAT, Website, 1 page, (date unknown).	
	113	"Managing mail messages with rules," Microsoft Outlook Help Manual, Website, Version 6, 5 pages June 24, 2002.	
	114	MERCANDO, "Appointment Scheduling on Computer", PACE, Vol. 20, July 1997, pp.1860-1862.	
	115	EncounterPRO, the Workflow Enabled CPR/EMR from JMJ Technologies," JMJ	T

Examiner	Date
Signature	Considered

PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sub	ostitute for form 1449A/B/PT	ro		Complete if Known		
ı				Application Number	10/666,862	
11	<b>VFORMATION</b>	اD ۱	SCLOSURE	Filing Date	September 19, 2003	
S	TATEMENT B	BY /	APPLICANT	First Named Inventor	Michael Smit	
				Art Unit	2183	
	(Use as many sh	eets as	s necessary)	Examiner Name	Not Yet Assigned	
Sheet	4	of	4	Attorney Docket Number	29794/38804A	

	-	TECHNOLOGIES, INC., www.jmjtech.com, November 8, 2002, 6 pages.	Γ'
	116	"Expeditor Systems - The Patient Flow Systems Experts", EXPEDITOR SYSTEMS,	
		www.expeditor.com, 2001, 3 pages.	
	117	"Working with Patient Lists," EpicCare Inpatient Electronic Medical Record July 2000 User's Guide, EPIC SYSTEMS CORP., Section 10.5-10.6, 3 pages.	
	118	"Patient Lists," EpicCare Inpatient Electronic Medical Record July 2000 User's Guide, EPIC SYSTEMS CORP., Section 11.3-11.4, 3 pages.	
	119	"Oacis - Census Management," DINMAR (U.S.) INC., www.oacis.com, 2002, 2 pages.	
	120	GRIMSON ET AL., "Interoperability Issues in Sharing Electronic Healthcare Records - the Synapses Approach," IEEE, 1997, pp.180-185.	
	121	"Clinician Documentation with EMR," CLINICOMP, INTL., www.clinicomp.com, 1999-2002, 1 page.	
	122	"Essentris™ CPOE", CLINICOMP, INTL., www.clinicomp.com, 1999-2002, 2 pages.	
	123	"Essentris™ GDR," CLINICOMP, INTL., www.clinicomp.com, 1999-2002, 2 pages.	
	124	"Intensivist Tools," CLINICOMP, INTL., www.clinicomp.com, 1999-2002, 2 pages.	
	125	"CMRxp - Computerized Medical Records Powered by Experience!!," Electronic Medical Records (EMR)xp Experience, CHARTCARE, INC., www.chartcare.com, March 5, 2003, 2 pages.	
	126	"Dr-InBasket-Lab Results, Messaging and To-Do's," CHARTCARE, INC., www.chartcare.com, March 5, 2003, 3 pages.	
,	127	"PatInfo-Patient Information Handouts," PatInfo-Patient Demographics Software, CHARTCARE, INC., www.chartcare.com, March 5, 2003, 2 pages.	,
	128	"Recall-Patient Health Maintenance," CHARTCARE, INC., www.chartcare.com, March 5, 2003, 3 pages.	
	129	"LabTrack-Lab Ordering & Results Tracking," LabTrack-Lab Result Tracking Software, CHARTCARE, INC., www.chartcare.com, March 5, 2003, 3 pages.	
	130	"Rx-MedTrack-Prescription Writing/Medication Tracking," Rx-MedTrack-Prescription Writing Software, CHARTCARE, INC., www.chartcare.com, March 5, 2003, 2 pages.	
	131	"The Right Tools," Product Description, INTEGREAT INC., www.igreat.com, 2003, 1 page.	
	132	"IC-Chart Additional Modules," INTEGREAT INC., www.igreat.com, 2003, 2 pages.	
	133	"Services," INTEGREAT INC., www.igreat.com, 2003, 2 pages.	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120.

Examiner	Date	 
Signature	Considered	
	Considered	

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.